HERA Shutdown Scenarios in 2003/2004

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Turn of theYear:		Altenative 1	Altenative 2	Altenative 3	Altenative 4	Full Working Days
		Operation	**Short Break**	**Long Break**	**Interlock Test (~1**	**week preparation)**
M	22-Dez-03	Operation	Operation	Operation	Linac2	W
T	23-Dez-03	Operation	Switch off	Switch off	Linac2	W
W	24-Dez-03	Operation	Break	Break		
T	25-Dez-03	Operation	Break	Break		
F	26-Dez-03	Operation	Break	Break		
S	27-Dez-03	Operation	Break	Break		
S	28-Dez-03	Operation	Break	Break		
M	29-Dez-03	Operation	Switch on	Break	Linac3	W
T	30-Dez-03	Operation	Operation	Break	DESY Testbeams	W
W	31-Dez-03	Operation	Operation	Break		
T	1-Jan-04	Operation	Operation	Break		
F	2-Jan-04	Operation	Operation	Break	DESY	W
S	3-Jan-04	Operation	Operation	Break		
S	4-Jan-04	Operation	Operation	Break		
M	5-Jan-04	Operation	Operation	Switch on	DESY	W
T	6-Jan-04	Operation	Operation	Operation	DESY	W
W	7-Jan-04	Operation	Operation	Operation	PETRA	W
T	8-Jan-04	Operation	Operation	Operation	PETRA	W
F	9-Jan-04	Operation	Operation	Operation	PETRA	W
S	10-Jan-04	Operation	Operation	Operation	Operation	W
S	11-Jan-04	Operation	Operation	Operation	Operation	W
		0 days off	7 days off	14 days off	~24 days off	

Comments:

Operation: No break at all. Needs long interlock tests in May or August.

Short Break: Break over Christmas, operation over New Year: long interlock tests in May or Aug.

Long Break: Break over Christmas and New Year. Needs long interlock tests in May or August.

Interlock Tests:
Interlock tests for all preaccellerators including PETRA. Needs HERA interlock tests in Aug.

Summer 2004:

Work outside HERA (has to overlap with HERA shutdown):

PIA: Exchange cavity	1 week	
DORIS: New wiggler	10 weeks	July/August
DESY: Choke transformer	6 weeks	Spring - Autum
MKK: Cooling towers	2 weeks	Spring - Autum
Interlock tests incl. preparation	6 weeks	Depending on Christmas brake
Work at HERA:		
Kryo: Regular Maintenance	4 weeks	September
Quenchprotection: Replace ALZ	3 weeks	The sooner the better
MVP: Change pump oil		Summer
MKK: Filter circuit e-dipole	3 weeks	2004
HERA-B: Move detector out of beam???	5.5 weeks	After next PRC?
BU-Magnets: Change 6 coils NL	6-8 weeks?	After June
HERA interlock test	3 weeks	July
HERMES: Installation of recoil Detector	? Weeks	End of 2004
Switch to electrons	2-3 weeks	Summer 2004

Proposal:

Short Break over Christmas,
Interlock tests for all machines shiftet to August,
DORIS Shutdown July to mid September,
HERA Shutdown August/September.